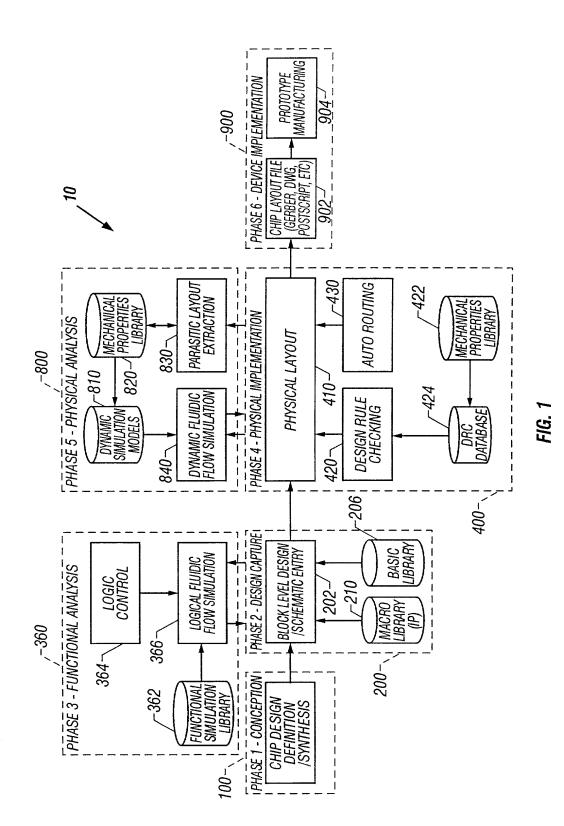
Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 1 of 23



Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US

Sheet 2 of 23

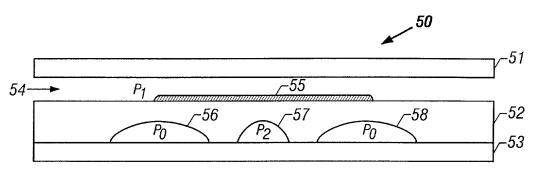


FIG. 2A

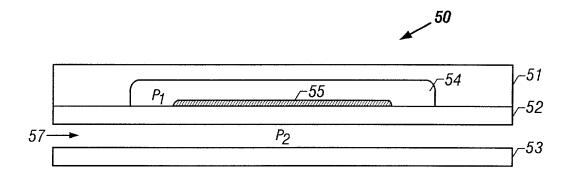


FIG. 2B

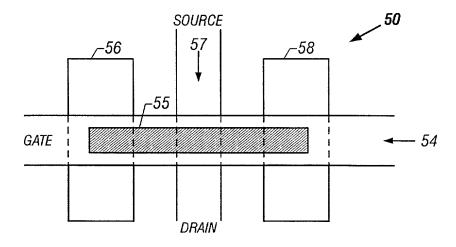
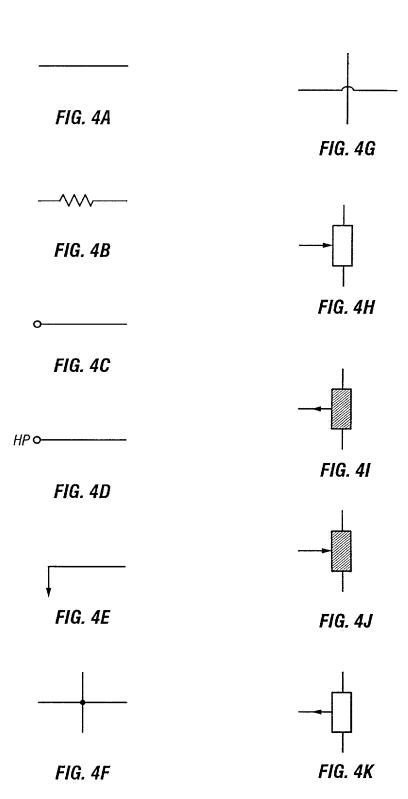
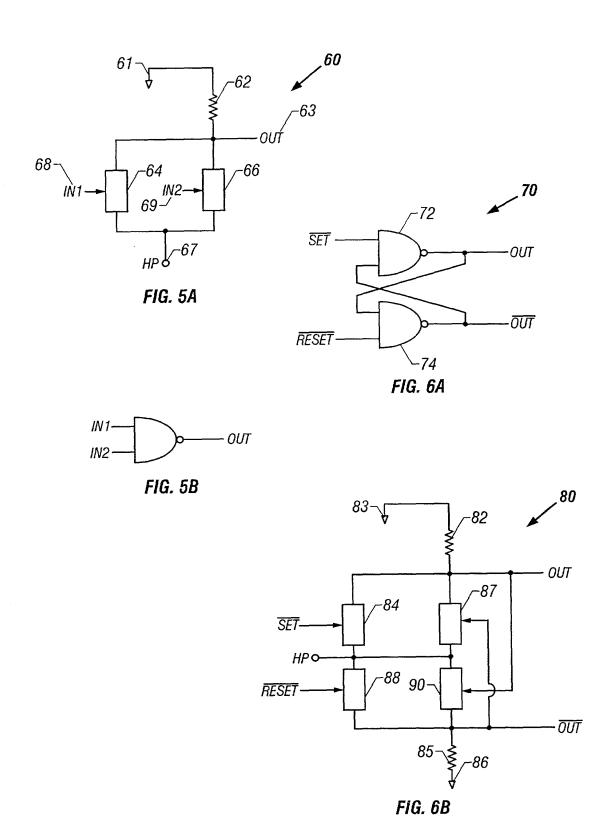


FIG. 3

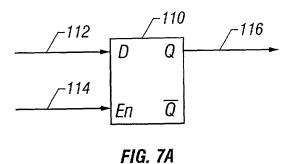
Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 3 of 23

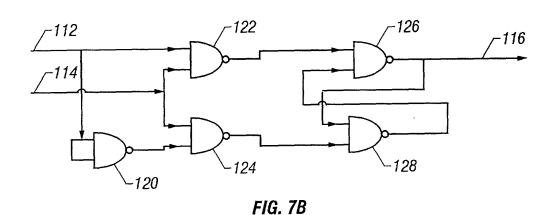


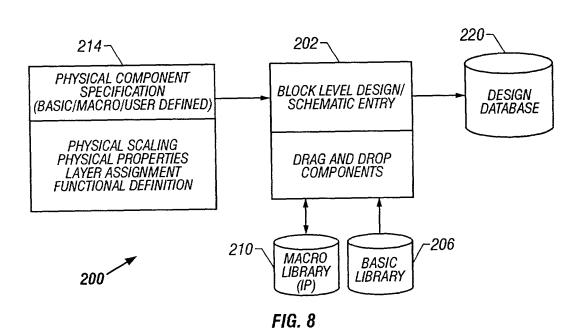
Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 4 of 23



Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed; June 27, 2001
Dckt. No. 020174-005400US
Sheet 5 of 23



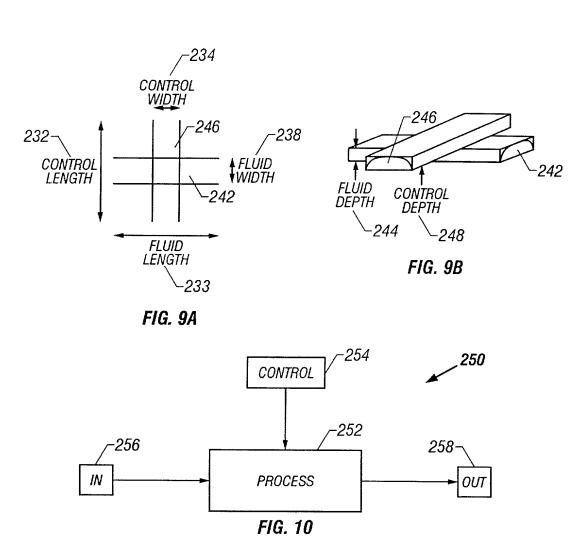


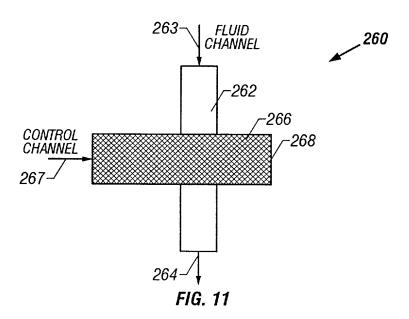


Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400 Titled: A Computer Aided Design Method and System for Developing a Microfluidic System App. No. 09/894,862 Filed: June 27, 2001

Dckt. No. 020174-005400US

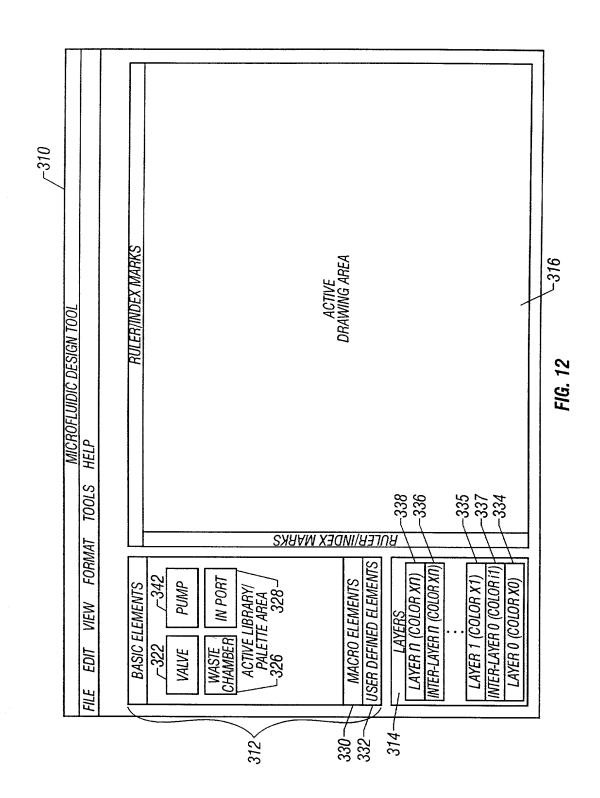
Sheet 6 of 23





Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Short 7 of 32





Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 8 of 23

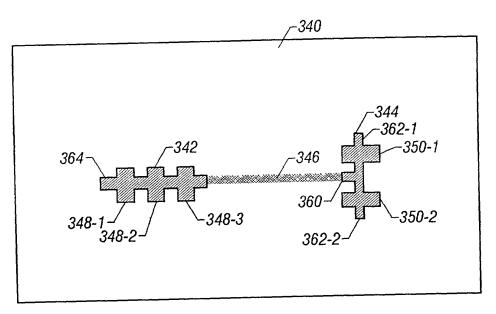


FIG. 13A

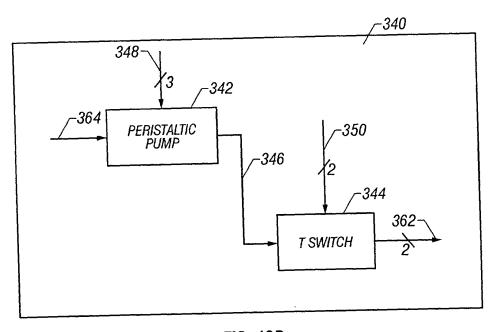


FIG. 13B

Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 9 of 23

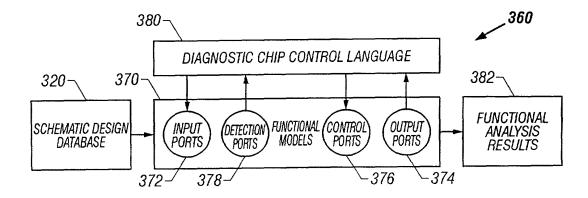


FIG. 14

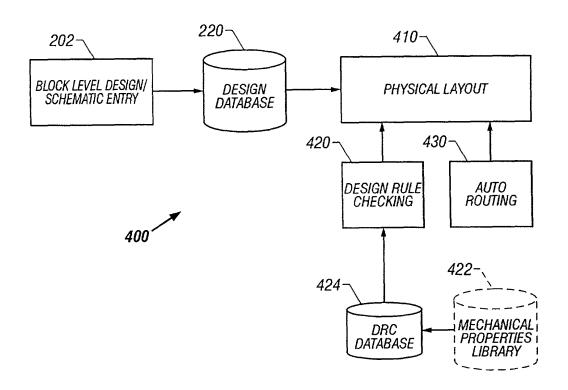


FIG. 15

Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 10 of 23

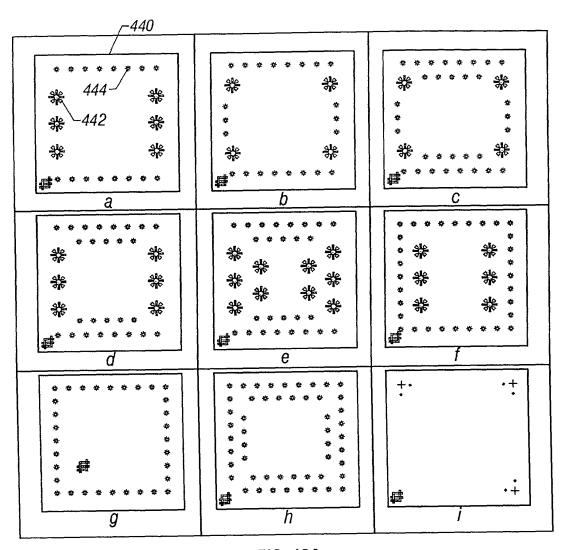
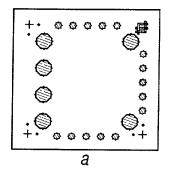
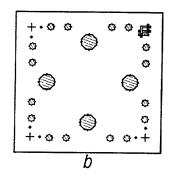
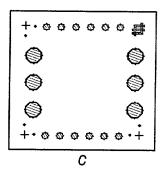


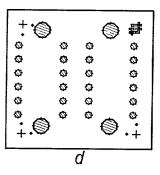
FIG. 16A

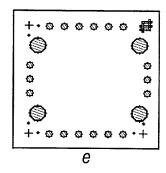
Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 11 of 23











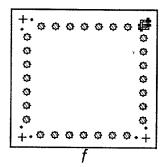


FIG. 16B

Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 12 of 23

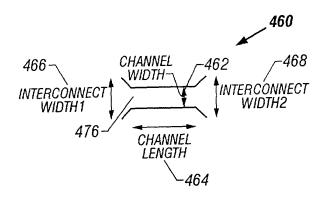
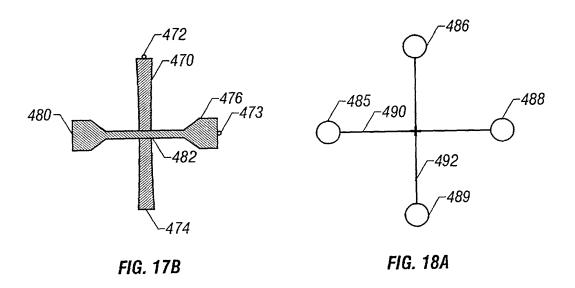


FIG. 17A



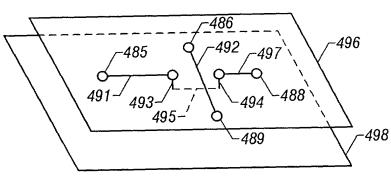
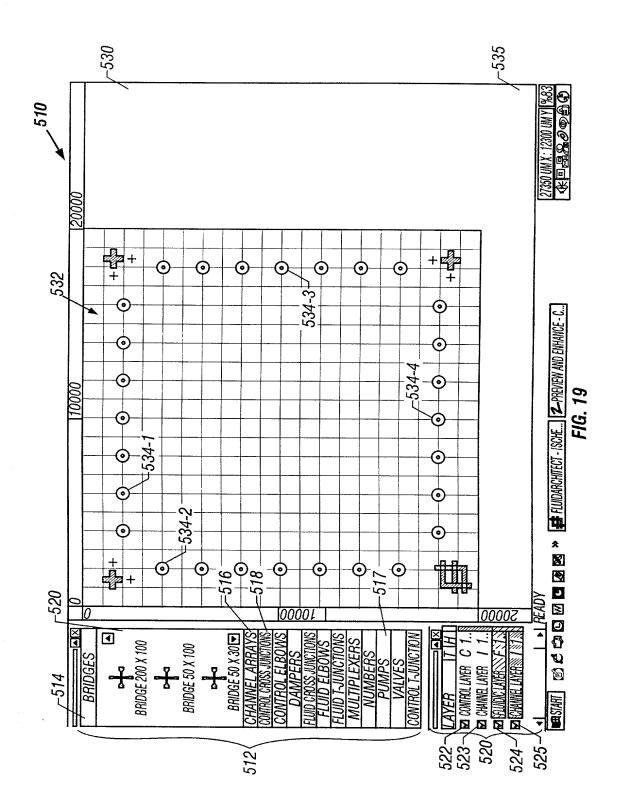


FIG. 18B

Chun-Pok Leung, Reg. No. 41.405, (650) 326-2400 Titled: A Computer Aided Design Method and System for Developing a Microfluidic System App. No. 09/894,862 Filed: June 27, 2001 Dckt. No. 020174-005400US

Sheet 13 of 23



Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400 Titled: A Computer Aided Design Method and System for Developing a Microfluidic System App. No. 09/894,862 Filed: June 27, 2001 Dckt. No. 020174-005400US Sheet 14 of 23

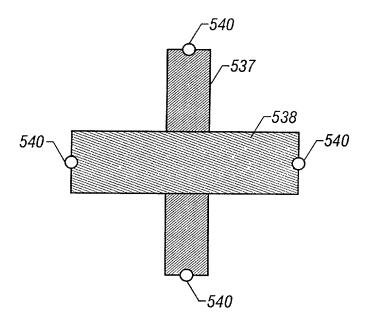
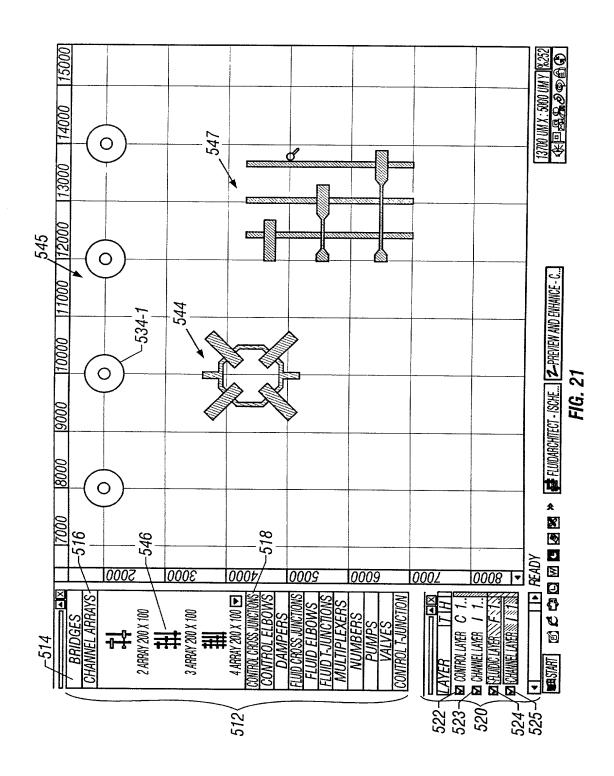
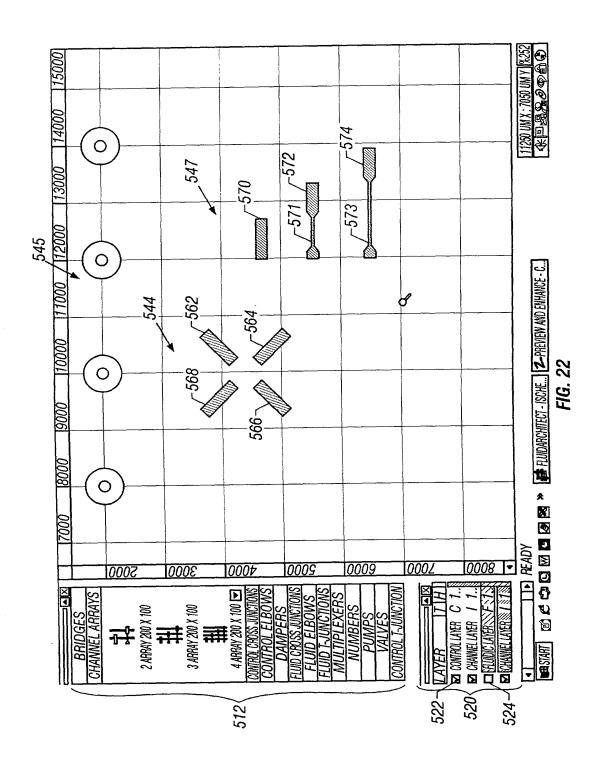


FIG. 20

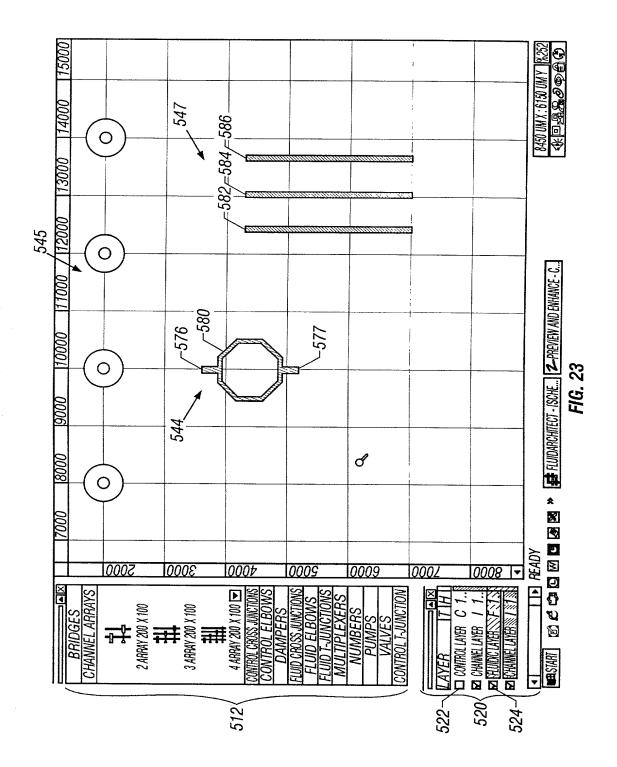
Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 15 of 23



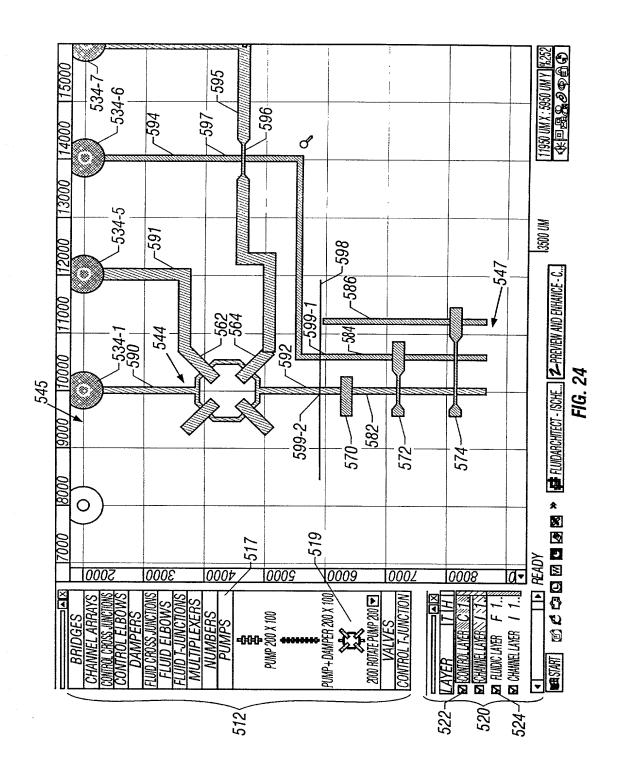
Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 16 of 23



Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 17 of 23

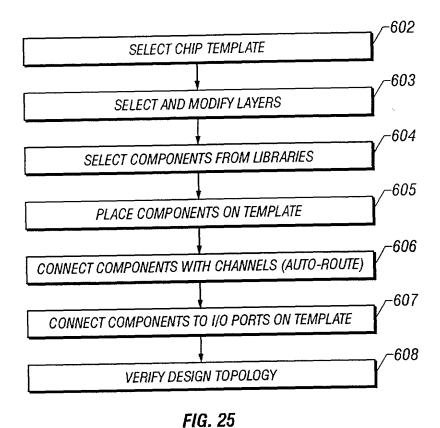


Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 18 of 23



Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400 Titled: A Computer Aided Design Method and System for Developing a Microfluidic System App. No. 09/894,862 Filed: June 27, 2001 Dckt. No. 020174-005400US

Sheet 19 of 23

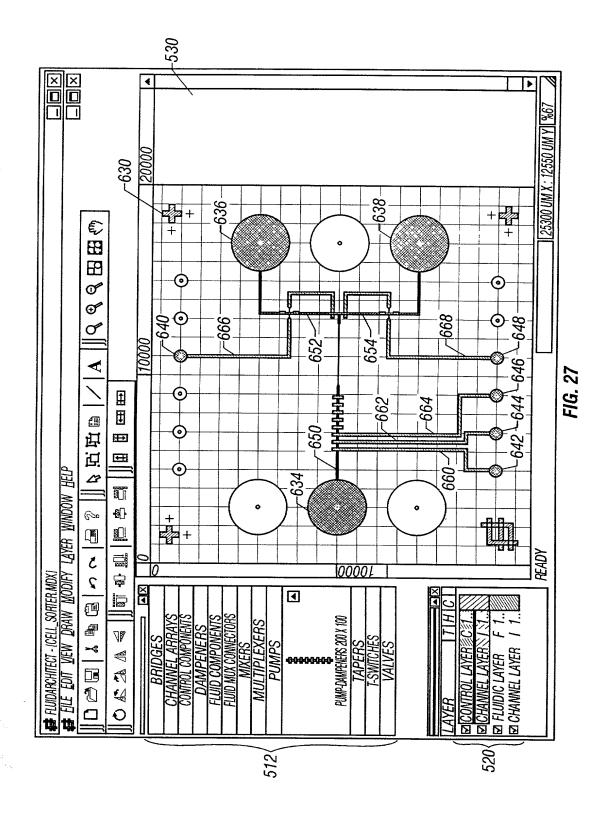


CONTROL CHANNEL -618 -610 FLUID CHANNEL

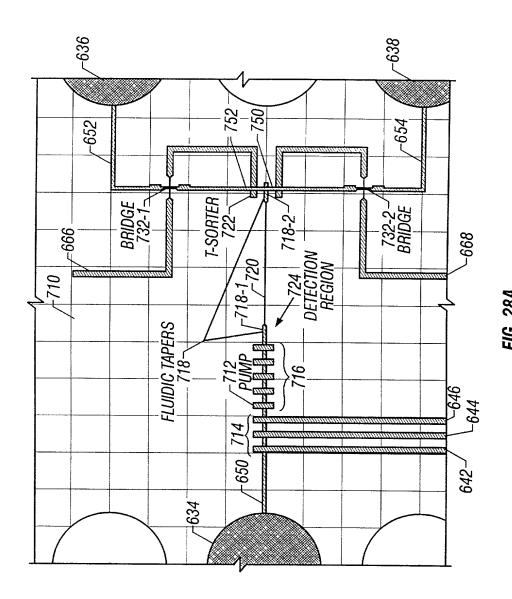
FIG. 26

Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400 Titled: A Computer Aided Design Method and System for Developing a Microfluidic System App. No. 09/894,862 Filed: June 27, 2001 Dckt. No. 020174-005400US

Sheet 20 of 23



Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400 Titled: A Computer Aided Design Method and System for Developing a Microfluidic System App. No. 09/894,862 Filed: June 27, 2001 Dckt. No. 020174-005400US Sheet 21 of 23



Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400 Titled: A Computer Aided Design Method and System for Developing a Microfluidic System App. No. 09/894,862 Filed: June 27, 2001 Dckt. No. 020174-005400US

Sheet 22 of 23

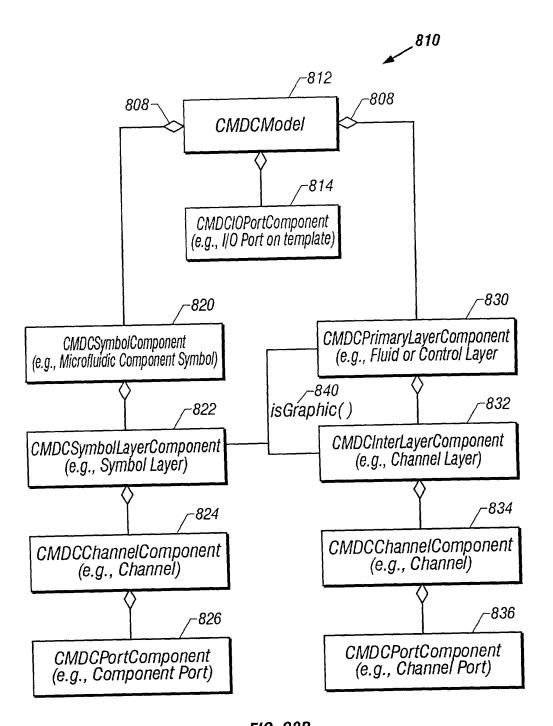


FIG. 28B

Chun-Pok Leung, Reg. No. 41,405, (650) 326-2400
Titled: A Computer Aided Design Method and System for Developing a Microfluidic System
App. No. 09/894,862 Filed: June 27, 2001
Dckt. No. 020174-005400US
Sheet 23 of 23

